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L. W. GOODELL'S

CATALOGUE

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U. S. Department of Agriculture

Flower Seeds

AND

BULBS

For 1878.

AMHERST, - - - MASS.

INTRODUCTION.

IN presenting my CATALOGUE OF FLOWER SEEDS AND BULBS for 1878, I return thanks to all who favored me with their orders last year; and, trusting that the quality of my seeds and my manner of dealing have pleased my customers, I solicit a continuance of their patronage. To those who receive this Catalogue for the first time, and have never dealt with me, I would say, that the seeds I offer are mainly of my own growing, from stock which has been carefully selected, and the quality will, I think, please all. Everybody will appreciate the great advantages of buying seed *direct of the grower*. A few varieties, which do not mature seeds here, are imported from the most reliable growers of Europe. I test the germinating qualities of every variety before sending out, and nothing shall leave my hands that will fail to grow through any fault of mine.

The figures on the right of the columns give the prices per packet, and I have endeavored to make them as low, both by the single packet and in collections, as seeds of the first quality can be furnished.

Each packet contains from one hundred to five hundred seeds, except scarce varieties, or those with very large seeds, which necessarily contain less.

All Seeds and Bulbs will be sent to any part of the United States or Canada, by mail, *postage paid*, at the prices annexed, and I guarantee the safe delivery at your post-office of everything ordered.

Money may be sent at my risk if sent according to these directions:—All sums of One Dollar or more, by Post Office Money Order, which is always the best way when they can be obtained. If a Money Order cannot be obtained remit in Bank bills and get the letter *registered*. The expense of sending by either of these ways may be selected in seeds from the Catalogue. *Sums less than One Dollar* may be enclosed in a letter and sent at my risk.

Please be sure and write your NAME, POST-OFFICE, COUNTY and STATE plainly; and if customers will kindly send their orders as *early* as possible it will accommodate me greatly, and also facilitate the filling of the order.

All orders entrusted to me, whether large or small, will receive careful and prompt attention.

While the great majority of orders are sure to reach me safely, it occasionally happens that a letter is lost or stolen, or perhaps a package fails to reach its destination. After waiting a reasonable length of time, if the seeds ordered do not arrive, then write again, *repeating the order*, and if the above directions in regard to sending money have been followed, I will refill it without delay.

Very respectfully,

L. W. GOODELL.

AMHERST, MASS., January 1, 1878.

How to Grow Flowers.

MANY persons think that a great deal of skill is necessary to grow flowers successfully, but this is not the case. All that is required is a reasonable amount of care and patience, and choice flowers can be as easily grown as choice vegetables. In the first place, good seed should be obtained, or failure and disappointment is almost certain. The principal causes of failure to make seed germinate are covering too deep, allowing the surface to become too dry, or an excess of moisture. To guard against these, a cold-frame is very useful; and I would recommend everybody who has half a dozen varieties to sow to try one. It is made by making a box-like frame of boards without a bottom, which should be twelve or fifteen inches high at the back, sloping to about six inches in front, so as to catch the direct rays of the sun as much as possible. It can be made of any size desired and nailed at the corners, if small enough to be easily moved about, or if larger, fastened together with hooks and staples. About the last of April is the proper time, in this latitude, to start seeds in a cold frame.

Prepare a bed in a warm, sheltered spot in the garden; rake out all the lumps and stones and on this set the frame, and cover with ordinary hot-bed sash, or old window sash, which will do quite as well. Make the soil in the frame smooth and firm with a board, and sow the seeds thinly and evenly on the surface in squares, and label each sort with a short pine stick. Have a pile of light sandy soil, or leaf mold from the woods, which has been sifted through a fine sieve, near at hand, and if the seeds are very small carefully sift it over them. Probably more failures to make seeds germinate result from covering too deep than from any other cause. A good and safe rule is to cover to depth of about twice the diameter of the seed. This would give a covering of about one-eighth of an inch to such seeds as Aster, Phlox and Pansy; one-sixteenth of an inch to Petunia, Portulaca, and seeds of like size, while very fine seeds, like Lobelia, should be scarcely covered at all, but merely pressed slightly into the soil. After the seeds are all covered make the soil firm again with the hands and water with a pot having a fine rose, so as not to wash the soil from the seeds. Now put on the sash and keep it tightly closed until the plants begin to come up, watering often enough to keep the surface moist. Cover the frame with straw mats or boards at night to keep out the cold, and after the plants are up give plenty of air during warm, sunny days. Pull out the weeds as fast as they appear and keep the plants well thinned out, so they will grow strong and stocky. The thinnings can be saved and transplanted to another frame if desired. After the plants have grown an inch or two, and obtained their second pair of leaves, transplant to the garden, first giving the seed-bed a good soaking with water. Transplanting should be done on a showery day, if possible; but it is better to transplant

in a dry time than to wait too long for rain. Make holes where the plants are to be set, fill them with water, and then set the plant; water again and cover each plant with a piece of paper held down with clods of earth.

A few good plants can be grown by sowing seeds in shallow boxes of rich earth; cover each box with a pane of glass and set them in a warm, sunny window in the house. If seeds of the half-hardy and tender annuals are to be sown in the open ground do not be in haste, but wait until the weather has become warm and settled; and it is always best to sow all, except a few varieties which do not transplant well, in a seed bed. Cover the bed with several thicknesses of newspaper to retain the moisture; but they must be removed as soon as the plants begin to come up.

A frequent cause of failure to make a good show of flowers is setting plants too thick in the beds, and before the summer is half through the vines becomes so crowded together they either die outright, or become so much weakened in the struggle for existence, that their beauty is greatly injured.

The soil for flowers, if not already rich, should be made so with fertilizers or well decayed manure. Some varieties do well in almost any ordinary soil, but all do much better in a rich one.

I am thus explicit in giving directions because I know some of my customers are inexperienced in the culture of flowers,—some perhaps beginning their culture for the first time this year; and I am anxious that all who purchase even a single packet of seed should succeed in growing the most beautiful flowers therefrom.

The flowers produced from seeds are classed as Annuals, Biennials, and Herbaceous Perennials. Annuals perfect their seed and die the first year. Biennials live two years. Herbaceous Perennials die down to the ground every year, the roots living many years. Annuals are called hardy, half-hardy, and tender. A hardy annual will bear a severe frost without injury; a half-hardy annual will bear considerable frost; while tender annuals are destroyed by the least frost.

FLOWERING THE FIRST SEASON.

<i>Abronia umbellata</i> , a trailing plant growing about as large and with flowers much like the Verbena. Flowers rosy lilac, with white eye; half-hardy annual. Remove the husk which surrounds the seed and sow under glass; 4 inches.....	10	<i>Alyssum, Sweet</i> , hardy annual, blooming abundantly all summer; flowers small, white, in clusters; good for beds and exceedingly fine for bouquets; set plants eight inches apart...	5
<i>Ageratum</i> . Fine hardy annuals with abundance of flowers; keeps in bloom a long time; very fine for bouquets; set plants eight inches apart.		<i>Wierzebeckii</i> , hardy perennial; yellow; 1 foot.	5
<i>Ageratum Mexicanum</i> , blue; 1 foot.....	5	<i>Amaranthus</i> . Beautiful ornamental foliage plants, producing a fine effect in beds or masses. In a wet season and a rich soil they sometimes lose their bright colors.	
<i>Mexicanum albiflorum</i> , white; 1 foot.....	5	<i>Amaranthus salicifolius</i> , a beautiful plant, with long, narrow, wavy, dark colored leaves; plant pyramidal, from 2 to 4 feet in height...	10
<i>Cælestinum (Phalacroæa)</i> , Tom Thumb, light blue; compact; 8 inches.....	5	<i>bicolor ruber</i> , a new and fine bedding plant, the lower half of the leaf fiery red, the upper half maroon, often tipped with yellow; 2 feet..	5
<i>Agrostemma</i> , hardy annual, with flowers resembling single pinks; transplant or thin plants to four inches apart; 1 foot; mixed colors.....	5	<i>tricolor (Joseph's Coat)</i> , red, yellow, and green leaves.....	5
		<i>melancholicus ruber</i> , blood-red foliage and	5

- compact habit; 18 inches..... 5
- Antirrhinum** (Snapdragon), one of the best and most popular of the hardy perennials: blooms abundantly all summer and until after hard frosts in autumn; flowers in spikes and very brilliant; 1 foot. Plants may be set eight or ten inches apart. Best and brightest varieties mixed..... 5
- Aster**. The Aster is one of the best and most popular of our hardy annuals, and no garden should be considered complete without a good collection of this beautiful flower. The tall varieties should be set about a foot apart, and the little Dwarf Bouquet five or six inches. The soil for Asters should be deep and rich.
- Aster, Truffaut's Pæony-flowered**, large flowers, petals slightly reflexed; 2 feet; mixed colors..... 15
- New Rose**, a magnificent variety, and one of the very best; flowers large and very double, with the petals finely imbricated; 2 feet; 14 bright colors mixed..... 10
- Imbrique Pompon**, flowers double, very perfect, and finely imbricated; 18 inches; mixed colors..... 10
- Cocardeau, or New Crown**, a beautiful variety; flowers large and double, with white quilled centers, surrounded with flat petals of another color; 18 inches; mixed colors..... 10
- Pæony-flowered Globe**, flowers very large and double; plant strong and branching; 2 feet; mixed colors..... 10
- Pyramidal-flowered German**, flowers quilled; plant branching; mixed colors..... 10
- Washington**, new; flowers very double and perfect, and of large size, measuring under good culture, 5 inches in diameter; 2 feet; mixed colors..... 20
- New Chrysanthemum-flowered Dwarf**, a late flowering variety, with large flowers; 1 foot in height; mixed colors..... 10
- Newest Dwarf Bouquet**, a fine variety for filling small beds or for edging; very dwarf and compact; each plant looks like a bouquet of flowers set in the ground; 6 inches; mixed colors..... 10
- Dwarf Pyramidal Bouquet**, a compact plant, producing small double flowers in abundance; blooms early; 10 inches high; mixed colors..... 15
- New Schiller**, 15 inches high, of peculiar habit, producing its leaves close to the ground; mixed colors..... 10
- Hedge-Hog or Needle**, long, quilled, sharply pointed petals; curious; 2 feet; mixed colors. 15
- Original Chinese**, large, curious semi-double flowers; plant very strong and branching; 2 feet; mixed colors..... 10
- Balsam**. The Balsam is a magnificent half-hardy annual, the tall varieties growing some two or three feet in height, and in bloom from June till frost, the branches being completely covered with flowers, which resemble roses and camellias. Make the soil very rich and deep and set the plants eighteen inches apart.
- Balsam, Camellia-flowered Spotted**, German, double; spotted with white; mixed colors..... 15
- Rose-flowered**, French, double; mixed colors. 15
- Extra Double Dwarf**, very double; 6 inches high; mixed colors..... 15
- Solferino**, white, striped and spotted with red..... 15
- Common Double**, sometimes only semi-double..... 10
- Bartonia aurea**, a showy, hardy annual, with large brilliant golden yellow flower; sow seeds early where the plants are to bloom, and thin to eight inches apart; 1 foot..... 5
- Calceola coccinea**, tassel-like scarlet flowers; half hardy annuals; 1 foot..... 5
- Calliopsis**, a very showy class of hardy annuals, blooming abundantly; flowers of a great many shades of yellow, orange, and rich brown; often finely spotted. The plants grow from one to two feet in height and may be set about ten inches apart.
- Calliopsis Drummondii**, yellow, crimson center..... 5
- bicolor**, yellow and crimson..... 5
- bicolor nigra speciosa**, rich crimson..... 5
- bicolor nana marmorata**, reddish brown, marbled with yellow; dwarf..... 5
- cardaminifolia hybrida**, yellow, compact habit, and a profuse bloomer..... 5
- cardaminifolia hybrida atrosanguinea**, rich dark red; compact..... 5
- tinctoria**, quilled..... 5
- Burridgi**, beautiful and distinct; flowers with a rich crimson-brown center, and orange yellow border..... 5
- All colors, mixed..... 5
- Callirhoe pedata**, fine hardy annual; flowers crimson, bordered with white; 2 feet..... 10
- Canna**, beautiful foliage plants, with large, broad leaves, and scarlet or yellow flowers. Soak the seed in warm water for twelve hours before sowing, and sow under glass early or they will not make much of a show the first season. The roots may be taken up in the autumn and preserved in sand in the cellar, like Dahlias; 3 to 5 feet; mixed varieties..... 10
- Campanula speculum**, fine hardy annual; good habit and abundance of flowers; mixed colors..... 5
- Candytuft**. An old and popular hardy annual of easy culture; make beautiful beds, and is indispensable for bouquets. Seed should be sown very early in the spring where they are to bloom, and the plants thinned to six inches.
- Candytuft, Purple**..... 5

- White*..... 5
Rocket, flowers in long spikes, pure white. . . 5
Lilac..... 5
Sweet-scented, flowers in umbels, pure white 5
Rose, rosy lilac..... 5
Dunnell's Extra Dark Crimson..... 5
 All colors mixed..... 5
Cassia chamaecrista, a fine, hardy annual, with bright, golden yellow flowers; plant compact, with pretty, light-green foliage; transplant to eighteen inches apart; 2 feet..... 10
Celosia cristata (Cockscomb), a very curious half-hardy annual, blooming from July to frost. They should have good rich soil, and will well repay any extra care given them in the increased size and beauty of the combs. Set plants fifteen inches apart.
Cockscomb, crimson, rose, yellow, &c., mixed, all colors..... 10
Fick's New Japan, the most beautiful and brilliant of the entire Cockscomb family. The combs are very delicately cut, resembling the finest coral, and are of the brightest scarlet and crimson imaginable. The branches and leaf-veins are crimson. Nothing that can be grown will attract so much attention as a bed of this splendid variety. One of the best annuals lately introduced. Two to three feet in height; mixed colors..... 10
Centaurea (Bachelor's Button), well known, hardy annual, of many bright colors..... 5
Convolvulus Minor, a beautiful, dwarf, hardy annual, with flowers resembling the Morning Glory; plenty of flowers all summer; mixed colors..... 5
Datura. Large branching plants, about 2 feet in height, with magnificent large flowers. Half hardy annuals. Start the seed as early as possible in a frame or in boxes in the house. Transplant two or three feet apart.
Datura Wrightii, produces beautiful, pure white, sweet-scented, trumpet-shaped flowers, from 7 to 9 inches long..... 10
humilis flava fl.-pl., splendid, large, yellow, double flowers..... 10
fastuosa alba plena, double white..... 10
Delphinium (Larkspur). Very fine and showy hardy annuals, with long spikes of flowers, and are of the easiest culture. Sow as early in the Spring as possible in the open ground, and thin the branching varieties to eighteen inches apart and the Rockets to five or six inches. 5
Delphinium, Double Dwarf Rocket; mixed colors..... 5
Tall Rocket, double and very showy; mixed colors..... 5
Stock-flowered, double, branching; very showy, mixed colors..... 5
imperiate, compact plant; very brilliant colors; mixed colors..... 10
Dianthus. Dianthus Chinensis and the new improved varieties from Japan, commonly called Japan Pinks, are among the most beautiful flowers now grown. The colors are very rich and varied, and the flowers are produced abundantly all the first summer, and also the second season quite as well as the first. They grow ten to fifteen inches high, and may be set ten inches apart.
Dianthus Chinensis, double; mixed colors, 10
imperialis (Imperial Pink), double, mixed.... 10
imperialis, double white; very fine..... 10
Heddeggii, produces flowers which are often 3 inches in diameter, and beautifully colored; mixed colors..... 10
Heddeggii fl.-pl. at ropurpleus, large dark red, very double flowers..... 10
Heddeggii flore-pleno, double; mixed colors..... 10
laciniatus flore-albo, pure white..... 10
laciniatus flore-pleno, magnificent, very large, double flowers, with deeply fringed petals..... 15
diadematus flore-pleno (Diadem Pink), very brilliant markings, but not reliable..... 15
 Above varieties mixed..... 10
Eschscholtzia Californica, a very fine free-flowering, hardy annual, with brilliant flowers and finely divided leaves. Does not transplant well, and seed should be sown where they are to grow; mixed colors..... 5
Euphorbia marginata, a fine ornamental foliaged hardy annual, producing a fine effect in masses; leaves light green, margined with pure white; 18 inches..... 10
Linum grandiflorum rubrum, hardy annual with bright crimson flowers; 18 inches. 5
Lobelia. Beautiful hardy annuals, bearing a great number of small, richly-colored flowers. Exceedingly fine for baskets or edging to beds. About six inches in height, and plants should be set four or five inches apart.
Lobelia gracilis erecta, rose-colored..... 10
Erinus compacta, very rich deep blue..... 10
Erinus compacta alba, white..... 10
Lupinus (Lupine), well-known hardy annual, with long spikes of flowers. Sow seeds in the open ground; mixed colors..... 5
Lychnis. Hardy perennials, producing a fine effect when grown in masses. Two feet in height.
Lychnis Chalcedonica, bright scarlet..... 5
Chalcedonica flore-albo, white..... 5
Chalcedonica carnea, flesh color..... 5
grandiflora gigantea, new; very large flowers; 1'foot; mixed colors..... 10
Marigold, an old and well-known hardy annual; best double varieties mixed..... 5
Mesembryanthemum crystallinum (Ice Plant), a curious half-hardy annual; the leaves look as though covered with crystals of ice; of trailing habit; very fine for baskets.....

<i>tricolor</i> (Dew Plant), flowers pink.....	5	<i>Cliveden Purple</i> , rich, deep purple....	15
<i>Mignonette</i> , Sweet, well-known, fragrant, hardy annual.....	5	<i>Marbled Purple</i>	15
<i>Parson's New White</i> , flowers larger and whiter than the old sort.....	10	<i>Striped and Mottled</i> , very showy.....	15
<i>Mirabilis Jalapa</i> (Marvel of Peru), a very desirable half-hardy annual, with pretty foliage, and plenty of large, bright flowers of a great variety of colors. Sow seed in the open ground where the plants are to grow, and thin to two feet apart. About two feet in height and very branching; mixed colors.....	10	<i>Yellow Margined</i>	15
<i>Myosotis</i> . Fine hardy perennials, with clusters of small, bright-colored flowers. About six inches in height.		<i>Yellow</i>	15
<i>Myosotis alpestris</i> , blue.....	10	<i>Mahogany-colored</i>	20
<i>alpestris</i> , white.....	10	<i>Bronze-color</i>	20
<i>alpestris rosea</i> , rose color.....	10	<i>Red</i> , bright coppery-brown colors.....	15
<i>palustris</i> (Forget-me-not), white and blue....	10	<i>Fawn-colored</i> , very curious... ..	15
<i>Nemophila</i> , pretty little hardy annual, with white and blue flowers, often spotted; 6 inches. Sow early in the spring in a cool, shady place; mixed colors.....	5	<i>White</i> , sometimes with purple eye.....	15
<i>Nolana atriplicifolia</i> , trailing plants, somewhat resembling the Portulaca; mixed colors.	5	Above varieties mixed.....	15
<i>Oenothera</i> (Evening Primrose). Showy, hardy annuals, which open their flowers suddenly about six o'clock in the evening.		<i>Perilla Nankinensis</i> , an ornamental foliage plant of great beauty; leaves dark purple; half-hardy annual; 18 inches.....	5
<i>Oenothera acaulis alba</i> , a very dwarf plant, producing exceedingly beautiful pearly white flowers, about four inches across.....	10	<i>Petunia</i> . Few flowers equal the Petunias for a brilliant display. They are very hardy and of the easiest culture, and their flowers are produced in profusion from June until hard frost in autumn. The flowers of some varieties are very large and richly colored, while others are beautifully veined, striped and spotted. About two feet in height. Set plants eighteen inches apart.	
<i>Feitchii</i> , yellow and red; 1 foot.....	5	<i>Petunia grandiflora Kermesina</i> , crimson.	20
<i>Lamarekiana grandiflora</i> , abundance of showy yellow flowers, four inches in diameter; 4 feet.....	5	<i>grandiflora rosea</i> , bright rose color.....	20
<i>Oxyura chrysanthemoides</i> , a very pretty, hardy annual: flowers, lemon yellow with pure white edge; 18 inches.....	5	<i>grandiflora maculata</i> , spotted; very fine..	20
<i>Palafoxia Hookeriana</i> , fine half-hardy annual; flowers, rosy crimson.....	5	<i>grandiflora venosa</i> , beautifully veined varieties.....	20
<i>Pansy</i> . The Pansy is one of the most beautiful and popular flowers in cultivation. It may be called a perpetual bloomer, for a bed is never without flowers while the ground remains open: but it is a good plan to keep the flowers picked off during the hot, dry weather of summer. In order to grow plants that will give flowers two inches or more in diameter, the soil should be made very rich. No flower responds quicker to generous treatment, and none is more easily spoiled by neglect. The colors and markings are almost endless. Set plants eight inches apart.		<i>grandiflora violacea</i> , very large flowers of the richest violet.....	20
<i>Pansy, King of the Blacks</i> , almost coal black.....	15	<i>grandiflora marginata</i> , crimson, margined with green.....	20
<i>Emperor William</i> , new, ultramarine blue, with purple eye.....	25	Above varieties mixed.....	15
<i>Dark Blue</i> , very large and rich.....	15	<i>Vick's New Fringed</i> , a new and beautiful variety with fringed edges; 50 seeds	20
<i>Azure Blue</i> , very rich, extra fine.....	15	<i>Double</i> . The Double Petunia bears no seed, and seed which will produce a fair proportion of double flowers is grown by crossing single flowers with the double, and this is a slow, expensive process. Packet of 50 seeds, first quality.....	25
<i>Light Blue</i> , nearly sky blue.....	15	<i>Countess of Ellesmere</i> , dark rose, white throat; fine bedder.....	10
<i>Violet</i> , with white border; splendid....	15	<i>Blotched and Striped</i> , very showy.....	10
		Fine mixed.....	5
		<i>Phlox Drummondii</i> . This is, without exception, the most brilliant and beautiful annual in cultivation, and no garden, however small, should be without it. A bed of these plants will be completely covered with flowers from June until hard frost in autumn. For a bed on the lawn, where a continuous display is required, nothing can be finer. Fifteen inches in height. Plants should be set a foot apart.	
		<i>Phlox Drummondii, Blood Purple</i>	10
		<i>Brilliant Scarlet</i>	10
		<i>Leopoldii</i> , deep pink, with white eye.....	10
		<i>Large Blue</i> , white eye; fine purple	10
		<i>rosea</i> , rose color.....	19
		<i>rosea albo-oculata</i> , rose, white eye.....	10

- Radowitzii*, rose, striped with white..... 10
Radowitzii Kermesina, striata, crimson, striped with white..... 10
Radowitzii violacea, violet, striped with white..... 10
flore albo, white..... 10
flore albo oculata, white, with a dark eye... 10
Chamois Rose, very fine; delicate rose..... 10
variabilis, violet and lilac..... 10
Isabellina, pale yellow..... 10
Violet Queen, violet, with large white eye... 10
Scarlet Fringed..... 10
grandiflora, a great improvement on the old variety, with larger flowers of more perfect shape; mixed colors..... 15
 All varieties mixed..... 10
- Poppy**, an old and too much neglected hardy annual; some of the best varieties are every way worthy of culture; best double varieties mixed..... 5
- Portulaca**. For brilliant, dazzling colors nothing can excel a bed of *Portulaca* when in full bloom. The colors are numerous, and produced in profusion all summer. Easily transplanted at any stage of its growth, even when in full flower. Finest mixed..... 5
- Double Rose-flowered**, a perfectly double variety of the above, the flowers closely resembling small roses. Everybody who sees a bed in bloom for the first time is delighted with it. About one-half of the plants from seed produce double flowers. Set plants six or eight inches apart and pull up all that prove single. First quality, mixed colors..... 10
- Double**, rose, crimson, rosy purple, rose striped with carmine, white, orange, yellow,—in separate packets—each color..... 15
- Ricinus** (Castor Oil Bean). A class of ornamental foliage plants of great beauty, and quite a tropical appearance. Leaves very large, sometimes two feet in diameter. Fine as single specimens, or in small groups. Plant the seed in the open ground, about the middle of May, in this latitude, and give the plants good rich soil and plenty of room.
- Ricinus macrocarpus**, whitish foliage; 6 feet..... 10
Borboniensis, gigantic leaves; 10 feet..... 10
Sanguineus, blood red stalks; very fine; 5 feet..... 10
- Satpiglossis**, a very fine half hardy annual; flowers richly colored and beautifully pencilled; 2 feet; mixed colors..... 10
- Salvia**. Beautiful, half-hardy annuals, remarkable for the brilliancy of their colors.
- Salvia splendens**, large flowers in long spikes and of the brightest scarlet..... 10
bicolor, blue and white..... 10
- Scabiosa** (Mourning Bride), an old and well-known hardy annual, the flowers ranging in color from pure white to almost black; about 18 inches in height; mixed colors..... 5
- Stellata**, or *starry*, seed vessels very fine for winter bouquets..... 5
- Schizanthus**, a beautiful, half-hardy annual, the plants being literally covered with small, bright curiously colored flowers; 2 feet; mixed colors..... 5
- Sensitive Plant** (*Mimosa pudica*), a tender annual of spreading habit, with pretty foliage; the leaves, when touched, suddenly close and droop in a most curious manner; very fine for pots..... 5
- Stock, Ten Weeks**, a very beautiful and popular half-hardy annual, with splendid spikes of large double flowers; about fifteen colors mixed..... 20
- Tagetes signata pumila**, a fine, half-hardy annual, growing very compact and as round as a ball, a single plant sometimes producing a thousand flowers at a time; bright yellow; 2 feet..... 5
- Tropæolum Minus**, (Nasturtium), a splendid class of half-hardy annuals, with flowers of many shades of yellow, orange and red, often finely spotted; 10 inches in height; all varieties, mixed..... 10
- Verbena**. One of the best and most popular bedding plants in cultivation. Plants grown from seed flower better and make stronger, healthier plants than from cuttings, and are also quite fragrant. A good seedling Verbena, if given good rich soil, ought to cover a space at least four or five feet in diameter. Start the seed early in the spring, in a frame, if possible, and set the plants 18 inches apart.
- Verbena hybrida**, choicest seed, saved from a large collection of named varieties..... 15
Fine mixed, from a fine collection of seedlings..... 10
Scarlet, from the brightest scarlet varieties, coming true to color..... 15
Striped, beautiful flowers, with broad stripes, 25
Montana, one of our finest hardy perennials, withstanding our winters with perfect safety, and blooming profusely the second year, and also the first quite as well as the common verbena. A native of the Rocky Mountains; bright rosy-purple flowers..... 15
- Whittlavia**. Very pretty hardy annuals, with bell-shaped flowers. About 10 inches in height, and may be set 8 inches apart..... 5
Whittlavia grandiflora, violet blue..... 5
grandiflora alba, white..... 5
gloxinoides, white and light blue..... 5
- Zinnia, Double**, a magnificent half-hardy annual, producing an abundance of flowers, which are as large and double as the Dahlia, the same flower keeping in perfection two

months. Plant branching, about 2 feet in height; set plants 18 inches apart; the choicest colors, mixed,..... 10

CLIMBING PLANTS.

The annual climbers are a very beautiful class of plants, useful for covering arbors, verandas, fences, etc., which they will do in a very short time. Support should be furnished as soon as they begin to run.

- Balloon Vine**, a half-hardy annual, with curiously inflated seed pods,..... 10
- Cobæa scandens**, a beautiful half-hardy plant, growing twenty or thirty feet in a season; flowers large, purple, bell-shaped,..... 10
- Convolvulus major**, (Morning Glory), a well-known and very popular hardy climber, of rapid growth, with splendid large flowers, of a variety of colors. All colors, mixed,..... 5
- Gourds, Ornamental**, a fine class of half-hardy annuals, producing some of the most beautifully colored and curiously shaped of all fruits. Package, containing seeds of Orange, Lemon, Apple, Pear, Gooseberry, Egg, and other sorts,..... 10
- Ipomæa**. Beautiful tender annuals, with richly colored flowers. Sow the seed under glass,.....
- Ipomæa limbata elegantissima**, large, flowers rich, mazarine blue, bordered with white; 15 feet,..... 10
- grandiflora superba**, sky blue, broadly margined with white,..... 10
- Quamoclit** (Cypress Vine), elegant foliage and small, richly colored flowers; 10 feet; mixed colors,..... 10
- Scarlet, white rose**, each color,..... 10
- Loasa**, a fine climber, with abundance of curious flowers; 6 feet; mixed colors,..... 10
- Peas, Sweet**, a well-known and very fragrant hardy annual. Plant 2 inches deep, as early as possible in the spring. All colors, mixed,..... 5
- Thunbergia**, a very ornamental, free flowering, tender annual; exceedingly fine for baskets; 4 feet; mixed colors,..... 15
- Tropæolum majus**, a very fine half-hardy annual; flowers of various shades of yellow, scarlet, striped and spotted; 10 feet, mixed colors,..... 5
- peregrinum**, (Canary Flower), profusion of bright yellow flowers; 15 feet,..... 15
- Lobbianum**, an elegant tender annual, very fine for house culture; 8 feet; mixed varieties,..... 15

EVERLASTING FLOWERS.

The Everlasting Flowers are a very valuable and beautiful class, keeping their natural form and color for many years. The flowers should be cut soon after they begin to open, and hung up in small bunches, so the stems will dry straight. They may then be worked up into bouquets, wreaths, baskets, etc., and make beautiful ornaments for the parlor.

- Acroclinium roseum**, one of the most beautiful of the Everlastings; bright rose color; 18 inches,..... 5
- roseum album**, white; 18 inches,..... 5
- Both colors, mixed,..... 5
- Ammobium alatum**, very hardy Everlasting; 18 inches; small white flowers,..... 5
- Gomphrena globosa**, (Globe Amaranth), a fine hardy annual, and the best known of the Everlasting Flowers. Do not pick until the flowers are fully grown. Mixed colors,..... 5
- Helichrysum monstrosum**, one of the very best and most showy of the Everlastings; flowers very large and double and of many bright colors; 2 feet; mixed colors,..... 10
- Helipterum Sandfordi**, a very choice Everlasting, each plant bearing a good many large clusters of small, rich golden yellow flowers; 1 foot,..... 15
- Rodanthe Manglesii**, a very fine Everlasting, with beautiful, bell-shaped, rose-colored flowers; best for house culture, but often do finely in the open ground; 1 foot,..... 15
- Xeranthemum**, a fine hardy Everlasting, about 10 inches in height; mixed colors,.. 10

ORNAMENTAL GRASSES.

The Ornamental Grasses are very useful for working up with the Everlasting Flowers. Sow in the open ground, early in the spring. They should be cut when in bloom. Tie up in small bunches, and dry in the shade. The following are some of the best varieties:

- Agrostis nebulosa**, very elegant and feathery, 10
- Briza mazima**, (shaking grass), one of the best; 1 foot,..... 5
- minor**, dwarf; 6 inches,..... 5
- Brizopyrum sicutum**, shining green,..... 5
- Erianthus Ravennæ**, a beautiful and very effective perennial variety, growing ten feet in height, and with elegant plumes of silvery white flowers a foot in length, perfectly hardy, good one year old plants, 25 cts. each; seeds, per packet,..... 10
- Lagurus ovatus** (Hares Tail Grass); 1 foot,..... 5
- Stipa pennata** (Feather Grass); a very graceful variety; blooms second season,..... 15
- Trycholana rosea**, elegant; tinted rose,..... 10

FLOWERING THE SECOND SEASON.

The varieties under this head flower in May, June and July of the second year. They may be treated as annuals the first year, setting the plants in any unused corner of the garden. Early in the spring of the second year take up the plants and set them where it is designed to have them bloom.

<i>Adlumia cirrhosa</i> , an elegant biennial climber, bearing small clusters of pink and white flowers; 8 feet.....	10	<i>Dianthus, Carnation</i> , a magnificent hardy perennial; flowers double and beautifully colored. German seed, from named flowers, only.....	25
<i>Alyssum saxatile compactum</i> (Gold Dust); a beautiful hardy perennial, with small golden yellow flowers; of compact growth; 10 inches.....	10	<i>Digitalis</i> (Fox Glove), a very fine perennial, with very long racemes of drooping, bell-shaped flowers: 3 feet; mixed colors.....	5
<i>Aquilegia</i> (Columbine), an old and well-known hardy perennial, producing fine flowers of a great many colors; 2 feet; mixed colors.....	10	<i>Hollyhock, Double</i> , a splendid hardy perennial, with very large double flowers of a variety of colors; 4 feet; choicest double, mixed colors.....	10
<i>Campanula Carpatica</i> , blue and white mixed,.....	10	<i>Rocket, Sweet Purple</i> ,.....	5
<i>Medium</i> (Canterbury Bell), large blue flowers; 2 feet.....	10	<i>Sweet White</i>	5
Single varieties, mixed.....	10	Hardy biennials, with large clusters of flowers.	
Double varieties, mixed.....	10	<i>Sweet William</i> (<i>Dianthus barbatus</i>), a magnificent hardy perennial, bearing immense trusses of flowers, which are of the richest and most beautiful colors; 1 foot; double and single, mixed.....	10
The Campanulas are among the best of the perennials, with large bell-shaped flowers, white, rose, blue, etc.		<i>Hunt's Perfection</i> , beautiful large-eyed varieties; mixed colors.....	10

The following varieties were accidentally omitted from their proper places.

<i>Dianthus laciniatus</i> , deeply fringed petals,.....	10
<i>Chenopodium Botrys</i> , (Oak of Jerusalem), hardy annual, with innumerable, minute, greenish flowers, which cover nearly the whole plant; not showy for the garden, but excellent for bouquets; 2 feet,.....	5
<i>Helianthus, (Sunflower), Double green-centered</i> , large and perfectly double; 4 feet in height..	10
<i>Ipomopsis</i> , a beautiful plant, which blooms the second season; foliage very finely divided; flowers rich scarlet and orange; 3 feet tall; mixed colors.....	5
<i>Lunaria biennis</i> , (Satin Flower,) hardy biennial, with large clusters of purple flowers and silvery seed-pods; blooms several seasons; 4 feet.....	10

HATFIELD, MASS., March 2, 1877.
Mr. GOODELL: *Sir*—Being very much pleased with the seeds we had of you last year, will enclose — dollars for more.
Miss MARIA L. PORTER.

NATRONA, Alleghany Co., Pa., April 13, 1877.
L. W. GOODELL:—I received the package, and was much pleased with the selection. I hope I can give you a better order next Spring. Please send the seeds named below as soon as you receive this.
JOSEPH EDGAR EUWER.

PLYMOUTH UNION, VT., March 15, 1877.
L. W. GOODELL: *Dear Sir*—You were so very kind, last year, sending so many kinds that I never sent for, that I thank you for it. They were all very beautiful. Those *Portulacas* were very double. Asters, Pink, Phlox, claimed the attention of passers-by.
Yours respectfully, Mrs. JULIA SPRAGUE.

AMERICAN FORK, Utah Territory, March 10, 1877.
L. W. GOODELL:—Your seeds proved very reliable, and I send for more.
Mrs. MARY SHELLEY.

WEST HAVERHILL, MASS., March 23, 1877.
Mr. GOODELL: *Dear Sir*—Please send me seeds for the enclosed amount. I prefer to leave the selection to you. The Asters I had of you last year were beautiful; the other seeds were washed out of the ground by a heavy shower; no fault of yours.
Yours respectfully, J. E. SENTER.

NEW HUDSON, N. Y., April 23, 1877.
L. W. GOODELL: *Sir*—Having received the package of flower seeds, and being so well pleased with them, will enclose — for more.
Miss R. E. WILSON.

BULBS.

GLADIOLUS.

The Gladiolus is the best and most popular of what are called the Summer Bulbs. Its tall spikes of large flowers, which are of almost every shade of color, frequently spotted, blotched and striped in the most beautiful manner are truly gorgeous. The bulbs may be planted six inches apart, in any ordinary garden soil in May, and covered from three to five inches deep, according to size. In the autumn, before hard frost, take up the bulbs, dry thoroughly, and preserve in a cool cellar, free from frost.

	EACH.
<i>Adonis</i> , light cherry and yellow.....	15
<i>Compt de Morny</i> , dark cherry red, blotched with white.....	35
<i>Couranti Fulgens</i> , bright red.....	20
<i>Don Juan</i> , fiery red and yellow.....	15
<i>Eugene Scribe</i> , light pink, flamed carmine.....	40
<i>Galathea</i> , carnation, striped with carmine.....	25
<i>John Bull</i> , sulphur white, spotted violet.....	20
<i>Lord Byron</i> , bright scarlet, white throat.....	30
<i>Lord Granville</i> , light yellow, striped lilac.....	35
<i>Louis Van Houtte</i> , velvety carmine.....	15
<i>Madame Hacquin</i> , white, violet stripes.....	20
<i>Madame Herincq</i> , yellowish white striped carmine.....	25
<i>Mazepa</i> , orange red, stained yellow and striped carmine.....	20
<i>Stephenson</i> , carmine cherry, striated with white lines, very large flower.....	50
Mixed Varieties. These are fine large bulbs, and will give the best of satisfaction to all. Many of them will produce flowers equal to the best named sorts. Fine mixed varieties, all colors, per dozen, 75c.; half-dozen.....	40

LILIES.

I offer a fine lot of the hardy Lilies, sound, well-preserved bulbs. Lily bulbs should be planted five or six inches deep, and if the ground is a little shaded all the better.

<i>Lilium Auratum</i> , a magnificent variety, with very fragrant flowers of immense size; pure white, spotted with purple, with a golden stripe through the centre of each petal. Large flowering bulbs.....	50
<i>lancifolium rubrum</i> , white and red.....	25
<i>lancifolium roseum</i> , white and rose.....	25
<i>lancifolium album</i> , white.....	50
<i>Japonicum longiflorum</i> , white trumpet-shaped flowers, 5 inches long.....	25
<i>candidum</i> , (Tiger Lily), red, spotted black..	20

DAHLIAS.

I have a fine stock of the Pompon or Bouquet Dahlias, embracing the choicest named sorts. In ordering, name the color or colors desired. Dahlia tubers may be planted in the open ground after danger from frost is past, or started earlier in a frame, or in boxes in the house.

Good tubers, each..... 30

TUBEROSE.

The Tuberoses produce a tall spike of pure white, very fragrant double flowers. The bulbs should be started early, in boxes in the house, and after the weather has become warm and settled, transplanted to the garden.

Large flowering bulbs, each..... 15

Second size flowering bulbs..... 10

Dwarf Tuberoses, Pearl, a new dwarf variety, growing only eighteen inches in height, and with flowers larger than the common variety; each..... 20

CINNAMON VINE, (*Dioscorea batatas*).

A beautiful ornamental Vine, of very rapid growth. The flowers are small, white, growing in clusters, and have a peculiar, cinnamon-like fragrance. The leaves are heart-shaped, glossy green, veined with purple. The vine is herbaceous, and grows from fifteen to thirty feet in a season, according to the soil. The roots are edible, endure the most severe winters with perfect safety, and continue to increase in size for several years, attaining a length of two or three feet and a weight of several pounds each. It is usually propagated from small tubers about the size of peas, which grow on the vines. Plant the tubers in the open ground, two inches deep; or they can be started early under glass, or in the house.

Packet of five tubers..... 25

CALADIUM ESCULENTUM.

One of the best of the ornamental foliage plants. Leaves very large and thick. In the autumn take up the roots and preserve in the cellar through the winter.

Roots, each..... 35

☞ If you have no further use for this Catalogue, please hand it to some friend who is interested in the culture of Flowers.

PREMIUMS TO CLUBS.

THE extensive introduction of my Seeds is an especial object; and, feeling confident that those who give them a fair trial will continue to favor me with their orders, I offer the following very liberal PREMIUMS to those who get up Clubs or send large orders. Almost any one can, by making a little effort, get the orders of their neighbors who cultivate flowers, and thus obtain their own seeds for little or nothing. The same offer is made to any one person ordering alone.

Persons sending	\$1.00	may select Seeds amounting to	\$1.20
"	"	2.00	" " " " 2.45
"	"	3.00	" " " " 3.75
"	"	4.00	" " " " 5.10
"	"	5.00	" " " " 6.50
"	"	10.00	" " " " 14.50
"	"	20.00	" " " " 30.00

These will be put in one package and sent to one address, or in separate packages and mailed to each party forming the Club, as desired. It must be understood that I can make this offer only on *Seeds* at the Catalogue prices, and not on *Collections* nor on *Bulbs*, neither can the Premiums be paid in collections or bulbs.

In addition to the above Premiums, all who send \$1.00, and add five cents to pay postage, may select one variety from the Premium Seeds below; \$2.00, and ten cents additional, two varieties; \$3.00, and fifteen cents additional, three varieties; \$4.00, and twenty cents additional, four varieties; \$5.00, and twenty-five cents additional, the five varieties. And to all \$5.25 orders I will add, *gratis*, a plant of the gigantic ornamental grass, *Erianthus Ravenne*, or a packet of Cinnamon Vine tubers, your choice. Larger premiums on \$10.00 and \$20.00 orders. Please remember, that these additional premiums are allowed on all orders, whether for seeds or bulbs, or a part of both.

PREMIUM SEEDS.

Pansy, all varieties mixed.

Phlox grandiflora.

Double Portulaca, mixed colors.

Petunia grandiflora, choicest mixed.

Verbena Montana.

COLLECTIONS.

A Collection of ASTERS,		containing	7 Fine Varieties.	\$0.50
" " " DIANTHUS,	"	6	" "	.50
" " " PANSIES,	"	9	" "	1.00
" " " PHLOX,	"	10	" "	.75
" " " CLIMBING PLANTS,	"	8	" "	.50
" " " PERENNIALS,	"	8	" "	.50

GOODELL'S DOLLAR COLLECTION.—What it contains.

Alyssum, sweet.

Aster, New Rose.

Aster, newest Dwarf Bouquet.

Balsam, Common Double.

Calliopsis, all colors, mixed.

Candytuft, all colors, mixed.

Cassia chamaecrista.

Cockscomb, Vick's New Japan.

Dianthus, (Japan Pinks), new varieties.

Mignonette, sweet.

Pansy, all varieties, mixed.

Petunia, Blotched and Striped.

Phlox Drummondii, all varieties, mixed.

Portulaca, Double Rose-flowered, mixed colors.

Verbena hybrida, choicest mixed.

Zinnia, Double, choicest mixed.

Morning Glory, mixed colors.

Gourds, Ornamental, mixed varieties.

Peas, Sweet, mixed colors.

Sweet William, Hunt's Perfection.

This collection contains many of the choicest varieties in the Catalogue, and is certainly the best one ever offered for one dollar. At this very low price *no change whatever* can be made in the varieties. Purchasers of this collection, who add five cents, are entitled to a packet of the Premium Seeds named above.